

FY 04 POLLUTION PREVENTION TARGETS

DATE: SEPTEMBER 2, 2004

	ACTIVITIES	TARGET	UPDATE
1.	Replace large Iridite uses	Performance testing done	PreKote has been received; test results show short term success. Although it is USAF- approved, its use by NASA regulators is now on hold for 6 years until additional testing is complete. Will discuss with GRC approval personnel.
2.	Garnet Recycling	Complete installation, optimize performance & implement (investigate business-wide applications)	Manual to be written. Yod to give a presentation on 9-9-04.
3.	Life Cycle Assessment Tools	Determine and implement 2 applications - Refrigerants / chillers – ODCs - Uninterruptible Power Supply	Responses still needed from chiller and UPS personnel. Graduate students to identify key parameters. S. Higuchi wants LCA tools to evaluate launch vehicles. Results of lawn care study to be written up
4.	Flywheel Universal Power Supply	Conduct study	Report received. D. White to review and forward to NASA HQ. Report needed for FY04 P2 projects.
5.	Reduction of chemicals at PBS	All 4 major facilities: a.) Assessed for excessive chemicals b.) Chemicals disposed or recycled	Clean room inspected. EFR issues to be addressed first. Metrics needed to track progress.
6.	AP/EPP web site	Implement	Yod of CSU will do programming after garnet work is done.
7.	Real Time Monitoring pilot study at Lewis Field	Implement prototype unit	Funding needed. Further work on hold until Steve Belovich of SmartData is available. GRC outfall project possible.
9.	Implement AP/EPP at PBS	One training session / up on Web site	HQ training session scheduled for week of 9/13. NASA HQ to provide sustainability training. M. Kenzig working on logistics of other training.
10.	Develop a SOLAR-based P2/Recycling training module	Make available	Dependent on installation of AP/EPP web site.
12.	Lawn care chemical replacement	Study and contract language	New NPR submitted to mandate EPP lawn care. Papcke to ask Blotzer to set up meeting with FD.
13.	Develop AP/EPP language for contracts	Five contracts with language	New committee working on charter.
15.	Biodegradable Cafeteria supplies	Conduct study	Report to come on testing of biodegradable cornstarch forks. Next step: Proposal to implement "to-go" option and reduce straw use.
16.	Convert GRC vehicles to CNG / E85/ other alternative fuels.	Conduct study	Ongoing study still in progress. Lallier to contact Strawser to see if PBS can get hybrid vehicles.
18.	Alternative power investigation	Conduct feasibility study	1. F. Miller working with Q. Quach on renewable First Energy at Lewis Field 2. F. Miller / R. Lallier looking for information from previous study, maps, and wind monitoring data. 3. F. Miller working on Lake Erie project
19.	SPF at PBS	Conduct feasibility study	Lallier to contact VRTX Technology representatives for water tower work on
20.	Study of low-strength mortar and flowable fill containing recycles	Develop guidance document	W. Kocher's associates reviewing draft document. Investigating slag issues. W. Kocher met Environmental Team. Executive summary to come.
22.	Create SAGE-like program to recommend alternates	Search tool available on net for GRC	Long term project. W. Kocher to review. Grad student to work on program.
23.	Replace paint remover in Hangar.	Methylene chloride replaced	Laser technology demonstration performed at Wright-Patterson AFB on August 9-11. Technical discussion in progress.
24.	AP / EPP Chapter	Publish chapter	New committee working on charter.
25.	Spark plug / energy efficiency	Conduct study	Lallier and Weinberg reported poor results on TLR plugs. Weinberg may continue testing.